2D 2x2 (0.024 x 0.024) R & D

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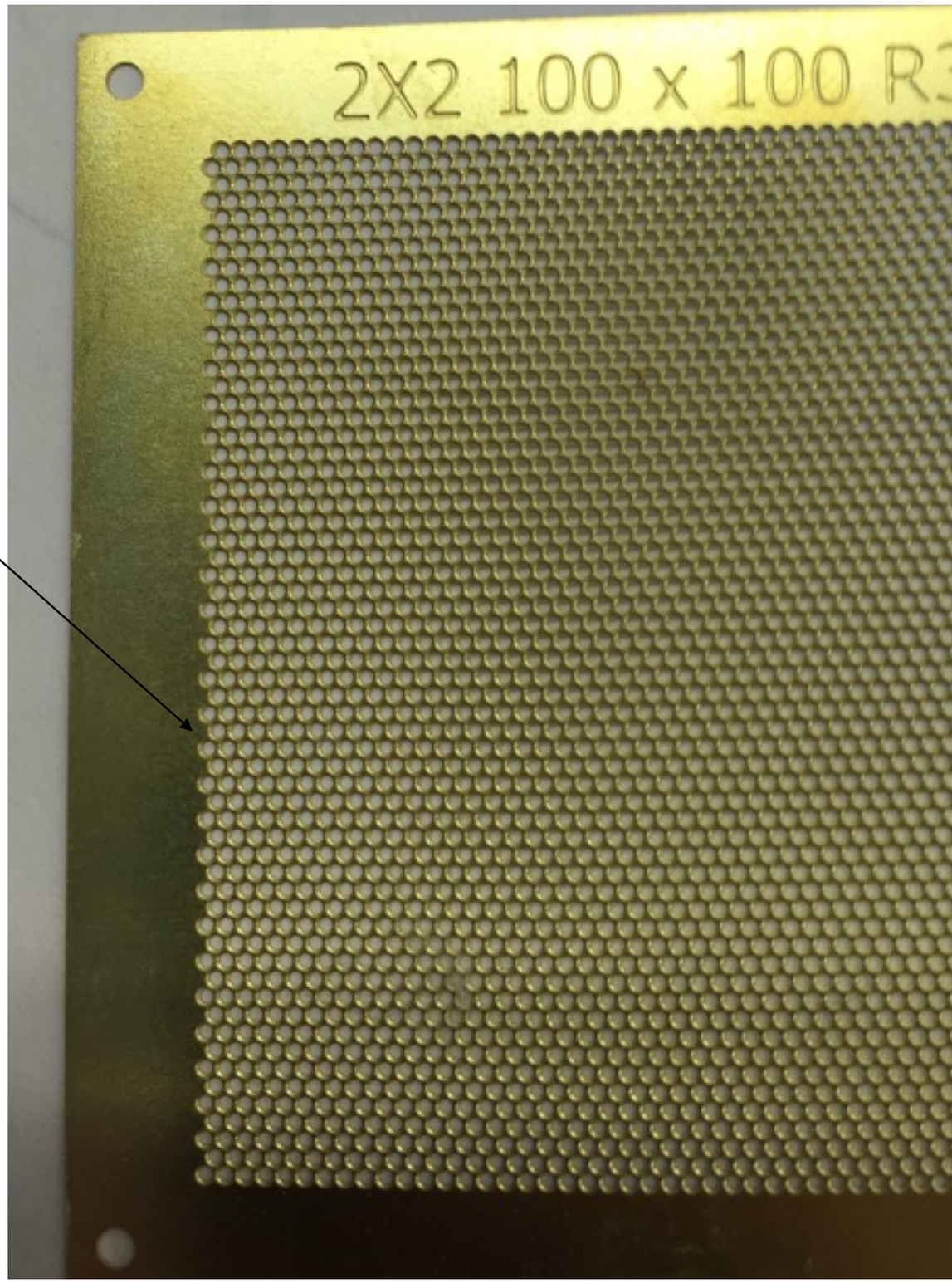
status

3d printed mesh holder with meshes spaced by 3D printed shims
supported by red plastic solo cup

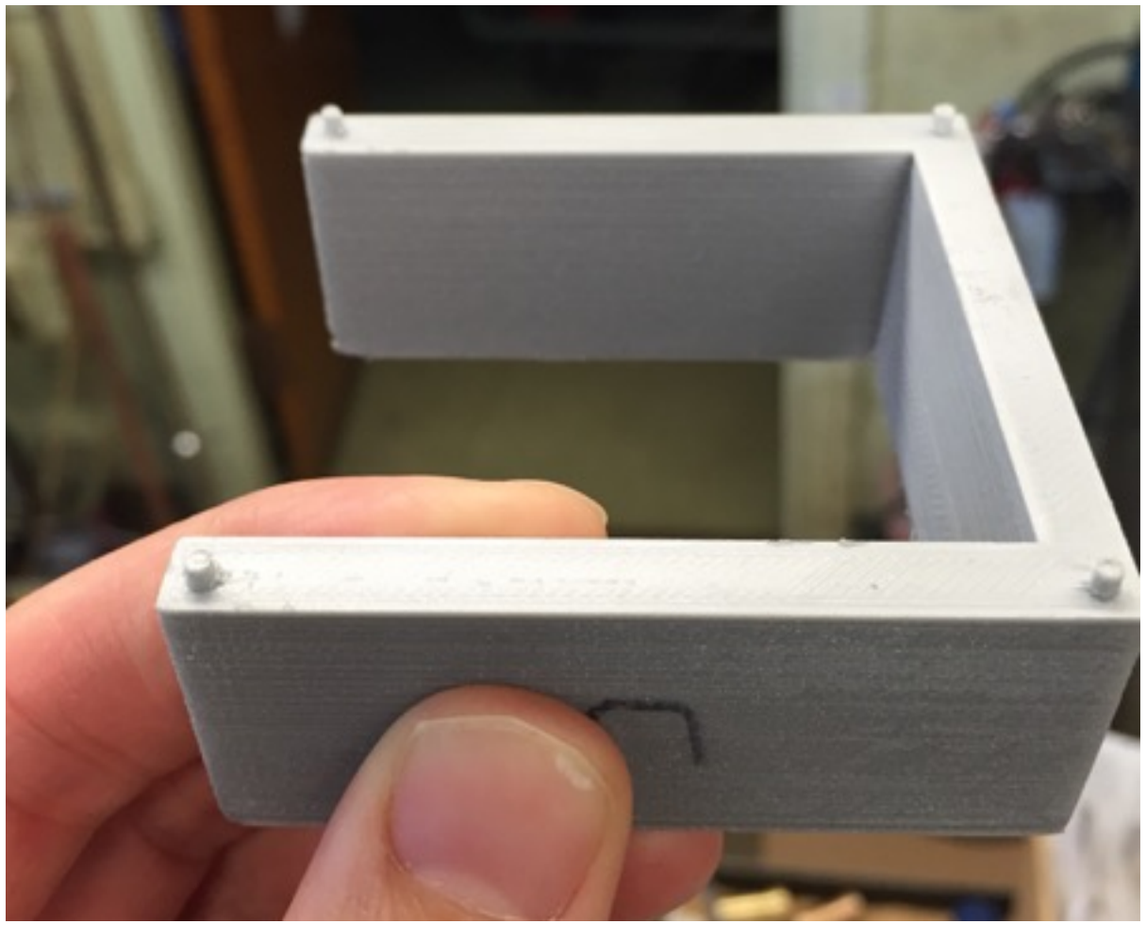
top meshes

- top two meshes same size holes
- top mesh has tapered holes
- this provides a good start for filling and minimizes the chance the fibers go into the wrong hole in subsequent meshes
- with this filling not much harder than the 2x1 1D projective

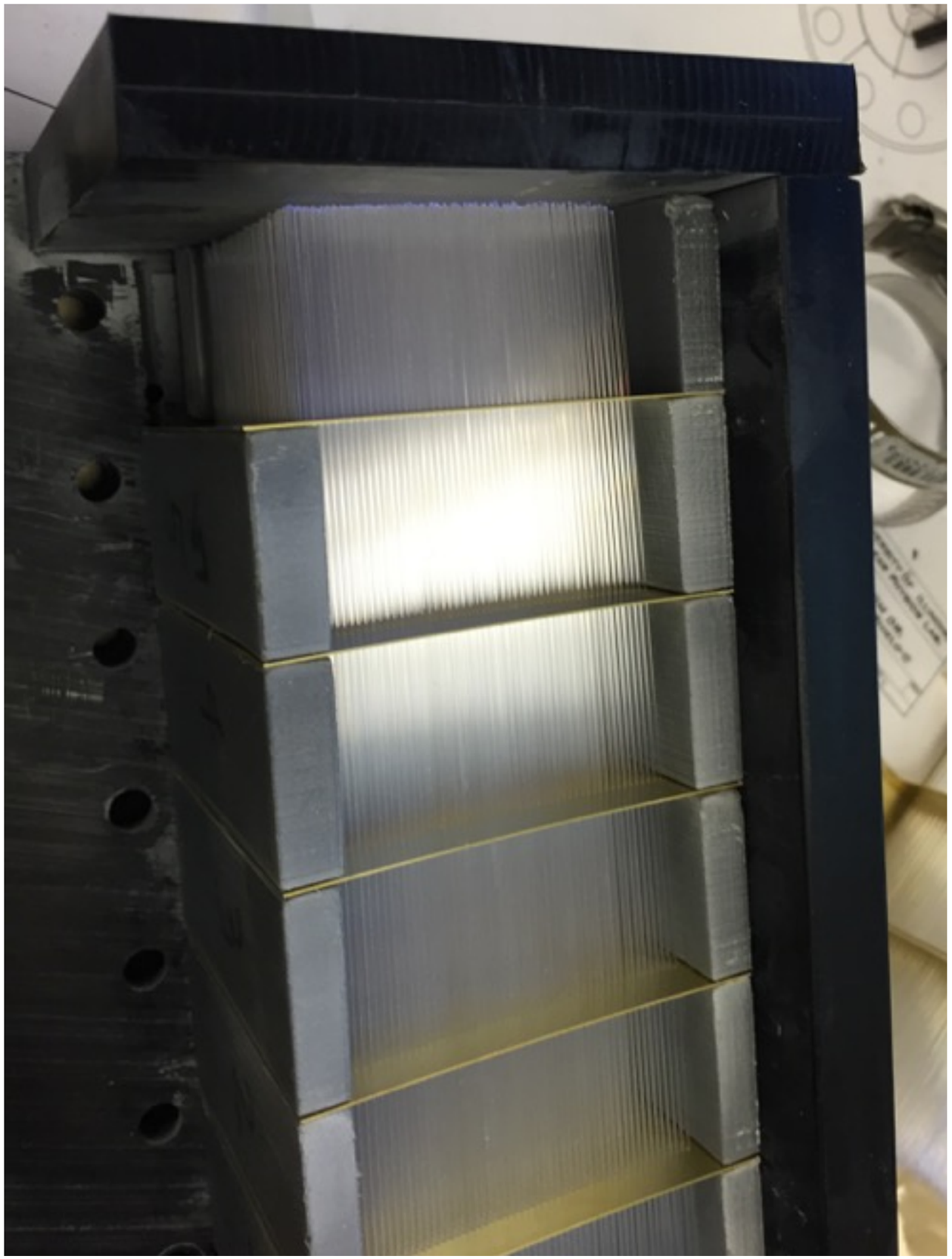


filling the mold

- instead of grooves in the mold to hold the meshes, trying 3D printed mesh spacers



ready to fill…



- mold is the same "bathtub" concept as for the prototype modules
- plan for today is to fill and epoxy a test module
- interested in density, uniformity, epoxy penetration…
- we'll let you know how it goes….